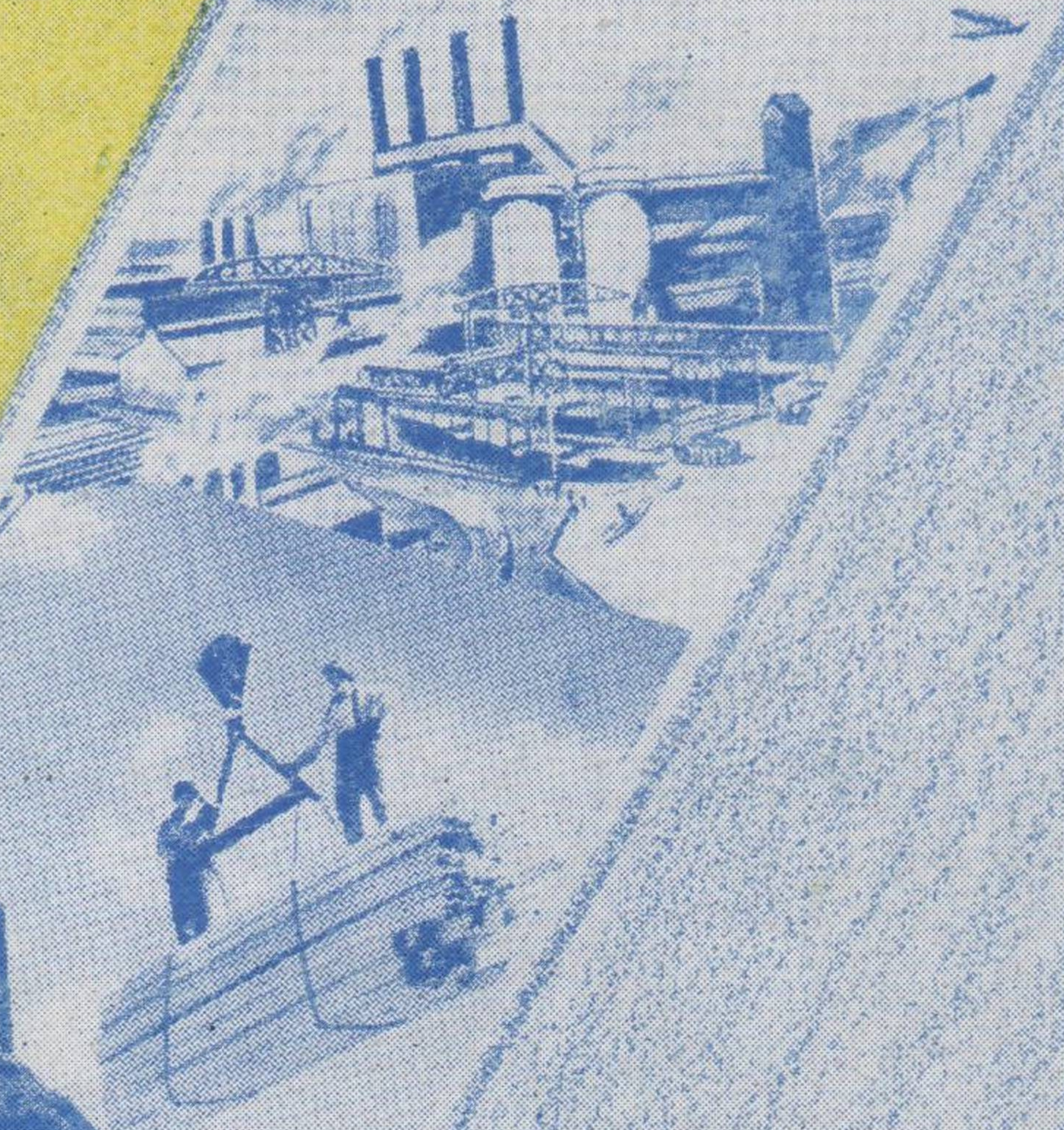


# *The Northwest* **TECHNOCRAT**



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● Staff: Ruth Houston, editor; Ralph J. Kugelman, Rolf Johanson, assistant editors; James B. Starr, and William Carter, art editors; Grace Dexter, circulation manager; Victor W. Jones, treasurer; John Barrett, secretary; Patrick J. McMenemy, business manager; Harvey B. Troxell and Jack Stillmaker, photographers.

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● Contributions of articles and photographs to the magazine are welcome. Articles should be based on Technocracy's Victory Program of Total Conscriptio and the related measures of continental operation and integration necessary for America to win the war and the peace to follow. Photographs giving documentary evidence of Price System paradoxes and inefficiency, showing America's great resources and potential strength, America's technology, and showing Technocracy's organizational activity will be welcomed as a functional contribution. Address all contributions to: Editorial Department, NORTHWEST TECHNOCRAT, 2021 Third Avenue, Seattle, Washington.

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# A MASTER PLAN FOR A MAJOR VICTORY



ONE of our local newspapers recently ran an arresting cartoon. The Baruch report on the rubber situation was symbolized as a heavy boot on a husky leg, kicking a typical American citizen out of bed. The cartoonist's purpose was to impress all of us with his conviction that we Americans had been asleep for the last year; that it took the Baruch report on rubber to awaken us to acute awareness of what we have to do if we expect to survive this war.

- There may still be a few Americans who do not realize yet that we are faced with a major crisis in our western civilization—in our national and even our personal existence. The vast majority, however, do understand our dangerous position and nearly every American is ready to make any sacrifice, and to serve in any way that will help to bring this war to an early and successful conclusion. But all of us are confused and dismayed by the disheartening spectacle of the most resourceful, the wealthiest, the potentially strongest country on earth, floundering along in its war effort like an ox cart through a swamp.

- Suppose a heavy construction outfit attempted a major building project with the methods we are using to build an offensive machine to rub the fascist menace forever from the face of the earth. Using our present methods for winning the war, this firm of big builders would begin operation with no definite plan for the completed structure. Of course, the superintendent would know that there must be foundations of some kind. His foreman would ask him how wide and how deep those foundations will be and on what lines to build them.

- "Well, I don't know," he would have to say. "Can't tell, don't know now the size of the building or its height yet, don't know what materials we are going to use. *But dig here!* Keep on digging," and he might mark out some lines on the ground with a stick. Men and equipment would start digging. Some sort of foundation would finally be built. Then the superintendent would, perhaps, find out that the building was to be 20 stories high over part of the area, four stories high in another section; its ground floor to cover more, or perhaps less, space than he had marked out. So some of the foundation would not be heavy enough, some of it would be too heavy, and a lot of it might be located where there was to be no building at all for it to support. However, in halting, cut and try manner, construction would proceed.

- Nearby, work on another structure is begun. Labor troubles begin. The other project commences to pirate labor from the first job by offering higher wages. Because no prior planning had been done, because sources of adequate material have not been investigated and wastage curtailed, material shortages develop. Men are hurriedly appointed to investigate and find the cause of, and the cure for, these shortages and report; others are delegated to devise means of developing methods of making synthetic substitutes for the scarce materials, but there is no coordinate authority between these two agencies. Furthermore, one faction is screaming for the use of its particular product for use in making the synthetics. Why not? They want to sell that product. Another large group, for the same reason, is pushing the use of its particular product. But no one, on the basis of which is most economical and comes nearest to meeting specifications, is vested with the authority to make a decision.



● How long do you think it would take to complete a project proceeding under such conditions as we have sketchily described? How adequate to the purpose for which it is intended do you think it would be? Yet this is just the way our war effort is proceeding. These are just the methods we are using at a time when our complete and adequate preparation for a gigantic offensive is the most urgent and the biggest job this country or any other country has ever been required to make.

● Now on what would you put your finger as the underlying cause of the confusion of effort, the slowness of progress both in the hypothetical building project we have just outlined, and in our war program? The underlying fault in both is the lack of, or the non-use of, a complete over-all design of operation. Every large scale project ever successfully completed in America, or elsewhere, has had, and has used one. America, as a nation, now engaged in the most tremendous undertaking in our history, a task on the successful completion of which depends the fate of our country and ourselves, has at hand, on easy call, such a design, but hasn't yet adopted it.

● As a result, although nearly a year has passed since Pearl Harbor, the hindrance to our necessary rapid production of war material are increasing rather than decreasing. Inflation is well on its way and is a growing threat. Intelligent allocation of raw materials is not a fact but a fiction. The priorities method of control broke down a year ago. Nothing like full efficiency of our man-power is being achieved because every private and corporate enterprise, by holding out higher wages, hi-jack men from its neighbor. No method in our present scheme of operation has been effective in checking it. And because, although comparatively high wages are paid in some war industries, others are still too low to support a decent standard of living.

● Control of food supply and distribution has been needed for some time. There is not enough food of certain kinds; too much of others. We must meet heavy commitments of food to England and Russia, to our own Armed Forces and to our civilians. Next year our total food production will decline because we will be short of manpower. But there virtually is no control now. Such little control as there is is widely scattered amongst the Department of Agri-

culture, the War Production Board, and the Office of Price Administrator; amongst three agencies whose authorities conflict and overlap.

● Transportation difficulties are growing all over America. Industrial plants are often obliged to slow down operations, lay off personnel, because the materials are not reaching them fast enough to keep the plants operating at peak load. We are not referring here to slow downs and shut downs resulting from material shortages, nor from lack of transport facilities, but to cases where these facilities are not coordinated.

● This is only a partial picture of America's behind the lines war organization, of America's clumsy, confused efforts to back up the American men and the American boys who are fighting now and who will be fighting in ever increasing numbers to save this country and us from slavery or annihilation! But it is typical of the whole panorama of our national operations. Mr. and Mrs. America, how do you like it? Technocracy would have you know that these conditions are not only unnecessary, but that if they are not corrected very soon, defeat for America and her Allies, not Victory, will end this war.

● We said a few moments ago, that America has at hand, on easy call, a design for the operation of the war effort of these United States, which will push that effort to maximum efficiency in the shortest possible time. You have heard this before and you will hear it again. Our Allies depend, they are obliged to depend on the maximum striking force which our resources, our man-power, and our equipment can make effective. The strength of that offensive and how soon we can use it depend directly on how soon we demand and put in operation that over-all design for the functioning of all of the factors necessary for a major offensive.

● Technocracy's design for national operation in this national and world crisis is, briefly, the Total Conscription of America's wealth, resources, equipment and man and woman power, under the unified control of the President of these United States, for the duration of the war and for six months thereafter. Conscription of any one or more of these national tools of ours without conscripting all of them would be disastrous.



● For instance, to conscript only the so called working citizens of this country, allocate each directly to a specified job and freeze his income at a predetermined level, but to omit industry, its leaders and the equipment which they own and control, from the conscription program would be fascism. No American would tolerate it. America is fighting fascism now. On the other hand to conscript only wealth and industry, but leave labor on the loose, would be communism and no American farmer, industrialist, professional or trade man wants communism. So any partial conscription in America would immediately promote disunity and invite defeat. It will take Total Conscription to unite us for Victory.

● Now we have referred to a few of the many evidences of the need for Total Conscription. Inflation is one of them. It hasn't been yet and will not ever be checked by any attempt at price control and wage fixing or by increasing taxation. Not one nor any of these proposed devices provides full coverage of the situation. Heavier taxation of industry will cut industry's profits and dividends. Industry is fighting and will continue to fight, to the last Congressman, to arrest it. So will those whose income is derived from dividends. Pressure groups pull wires to provide loopholes in all price regulations. But wages can not be stabilized and a standard of living, commensurate with our ability to produce the necessities of life, retained, unless prices are controlled.

● What will Total Conscription do? This—It specifies that the government of these United States shall at the source, acquire title to all materials of every kind, shall transport them to material banks, thence distribute them for civilian consumption or military use as needed: It specifies that the government of these United States shall conscript, for national service in the Armed Forces or in the production and distribution services, all effectual men and women of all present vocations. Executives, industrialists, plant managers and owners and plant manual workers, railroad presidents and railroad section hands, labor union executives and the men who work at the trades organized into unions; all would be in national service and all would be placed on the same basis of pay as the Armed Forces, whether they served there or in a behind the line vocation. All those serving outside of the

Armed Forces would receive the same allowances of food, clothing, housing and medical services, with the same allowances for dependents, as those who are and will be fighting our enemies on our various fronts.

● In other words adoption of these specifications of Technocracy's proposal of Total Conscription would insure the necessities of living to all citizens without pricing them. The government of these United States, instead of hundreds of individual corporations, other hundreds of farm groups, hundreds of transportation companies, many miscellaneous pressure groups, would definitely administer and control all of the national flow lines of goods and services for the duration of the war and for six months thereafter. Under these conditions inflation would not, could not, threaten us. It could not exist.

● We have said that nothing approaching full efficiency of our behind the line personnel has been achieved. Obviously, adoption of the program of Total Conscription will raise the human element in our war effort to maximum efficiency. For all effective men and women would be at work, and each in the vocation to which he or she is best fitted. With the necessities of life equally proportioned, without price, amongst everyone whether in or out of the Armed Forces, with salaries and wages, and allowances to dependents, equivalent to those of the Armed Forces, there could be no pirating of personnel and consequent stoppage of labor in one vocation and a surplus in another. Every person would be at work and would be relieved of all present hindrances to doing his utmost in his part in getting on with the war and finishing it.

● We have spoken of the need, under the necessity of war, for immediate control of supply and distribution of food, both to our Armed Forces, and to our civilian population. Do you think this can ever be effected by any adoption of minor revisions of present methods? The agriculturist raises it. Over how much of what crops he raises there is very little control now except his forecast of what will be most profitable for him. Crops harvested, he ships to the point at which he can obtain the best price or he may store it, holding for a better price than prevails at that time anywhere. Under present conditions he cannot be blamed for doing so. But there

Continued on page 21



# An OPEN LETTER to LABOR

TO: FERATED PRESS 30, IRVING PL. NEW YORK, N.Y.

Gentlemen:

It seems from all reports that the news sheet called 'In Fact' and about 135 other labor publications accept and publish, more or less blindly, the material you ladle out to them; so that it is much like shadow boxing to protest to them about anything published in those papers and magazines as they promptly pass the buck back to you.

Consequently I am protesting to you the inaccuracy and misapprehensions of a recent article published by 'In Fact' about Technocracy and its attitude toward labor just as I protested to Editor Seldes against misstatements and distortions in a previous article.

'Perhaps the main bone of contention I should pick with you is your blindness, and the blindness of organized labor in general, because you cannot, or at least do not, see the handwriting on the wall—what is happening and what is impending—and utterly refuse to disturb your complacency to the extent of making a scientific investigation of the pertinent facts which mean so much to you along with all Americans inside or outside of the labor movement. Surely there is no law to prevent a representative of labor from using a scientific approach.

You must know, or should, that there are two powerful opposing forces now working in American affairs—but not the most powerful. One of them calls for the conscription of labor leaving corporate enterprise free to conduct business much as usual. This Technocracy has denounced as 'definite, fascist, class legislation.' The other influence, found chiefly in left-wing and some New Deal circles including some labor organizations, would have capital and corporate enterprise conscripted leaving labor (especially organized labor) strictly alone. This Technocracy also has denounced as 'definite, communist, class legislation.' Technocracy states that the American Way is to conscript all 'Men, Machines, Materiel and Money with National Service from All and Profits to None.' This American Way is neither fascist nor communist. It is very definitely American.

In former wars which were neither 'all-out' wars nor completely technological, it was only necessary to organize armed forces by the only principles of organization that could make success possible. But in this 'all our,' fully technological war it is becoming increasingly apparent, by reason of the ineffectiveness of business and labor rackets to mobilize anywhere near their entire productive potentiality, that all civilian activities must also be organized by the same principles as those of the army and navy but under a technological command. Not because anyone thinks it nice and desirable, or doesn't, but because we must do so unless we would make LOSING the war a near certainty.



What would you think of turning over the operation of the army and navy to some thousands of competitive business organizations with the enlisted personnel to a host of conflicting labor unions? In the disunity that would result the United States would be a push-over for any tenth-class power with efficiently organized army and navy. An all-out, technological war demands the same unified, efficient organization and operation on the home front as in the armed services.

Labor has had, and muffed, the greatest opportunity to demonstrate its vision and patriotism by calling upon the President to conscript BOTH labor and capital—all in the same boat as to pay, food standards, clothing and health protection—all identical with those of the armed forces—and the same allowances for all dependents regardless of rank and social position. If you think that labor would suffer on that basis, you are plainly cracked. Most mechanics would have specialist or non-commissioned ratings—many would have commissions—which with the food, clothing, and housing allowances would certainly leave them as well or better off than they are today and with no fear of increasing living expenses which would be stabilized at a comparatively low rate—what with no rent, interest, taxes or other drains to which they are now subjected.

I knew, of course, that some of you labor czars, with incomes many times that of our highest generals, do not like the idea of coming to a general's pay and allowances any more than do a lot of our fancy-paid corporation executives. But HELL, Man! We are in an all-out, technological WAR! And it is not what we like, but what we must do if we do not want Hitler and Hirohito to come over here and make our decisions for us and, incidentally, suspend union structures, not for the duration and six months thereafter, but permanently. Surely the law of self-preservation, not to mention such inconsequential matters as patriotism, should make people of all classes willing to surrender their rackets until six months after the war ends.

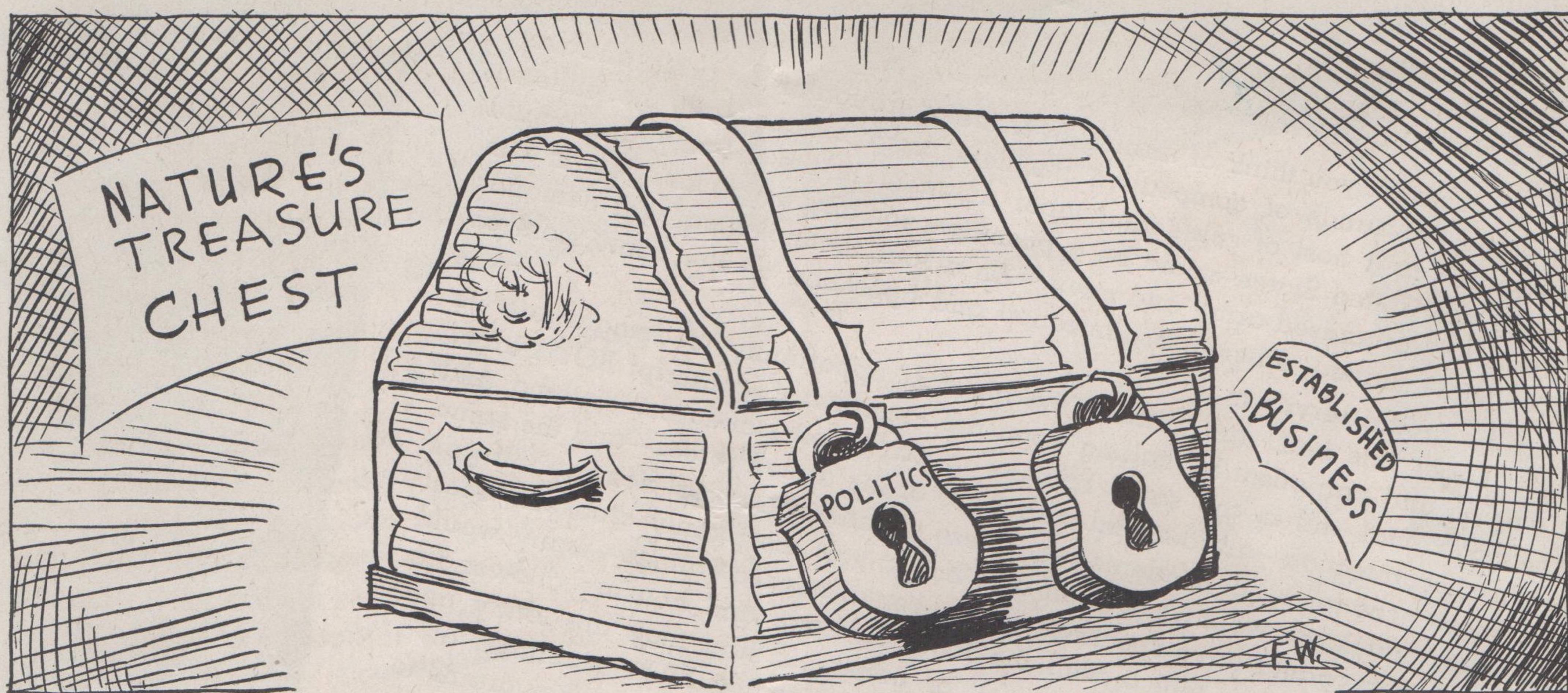
There is another point which no doubt will seem insignificant and of no consequence, as weighed against your pet rackets: About one-third of our American citizens for the first time would get an opportunity, under total conscription, to get all the wrinkles out of their bellies, to wear good clothing and to receive adequate health protection as well as decent housing.

For God's sake do not pick out isolated words, but read the enclosed specifications (Technocracy's Victory Program) fully and completely without missing a word and then ponder on their real significance as against our present notorious, growing, productive ineptness resulting from the fact that corporate interests, politicians and labor are all engaged in a free-for-all battle royal to gain and entrench their individual and group interests at the expense of our needed war effort. Here's to a real Victory for both the war and the peace—and that six months postwar period will make possible winning the peace as well as the war.

Very truly yours,  
HOMER G. SHOCKLEY.

(Signed)





**T**HE Pacific Northwest is part of a great mineral belt extending through the western coastal ranges of North America from the Arctic to the Isthmus of Panama, and on into South America. The whole region is a vast storehouse of mineral wealth, much of it uncharted. There is also a great amount of uncorrelated data on the subject, since until recently no concerted effort has been made to tabulate the known facts. However, study of available records reveals the following data.

- Chief of the metals mined up to now in point of money value, has been gold. However, with the discovery that gold has no place among the vital metals so desperately needed in the defense program, new values are being placed on other heretofore non-precious metals.

- The Washington State Dept. of Geology reports show 78 varieties of minerals known to have been found in this state, 29 metallic and 49 non-metallic. Many of the ores are of complex nature, carrying gold, silver, copper, lead, and other minerals. Copper ores of various kinds occur in separate bodies, and in nearly all metalliferous veins throughout the state.

- Lead and zinc have been mined for many years in both the northeast and the northwest part of the state, but several large bodies of known lead ore have not been producing recently. Extensive deposits of iron ore are known to exist in King, Skagit,

Kittitas, and Stevens counties. Some small attempts at smelting have been made, but no permanent industry has been established.

- Manganese, chromite, tungsten, molybdenum, and silicon in valuable quantities have been found in various districts in the Olympic Peninsula and in large amounts throughout the Cascades. Platinum, tin, cinnabar,—from which mercury is extracted,—cadmium, strontium, and cobalt, have also been located.

- Many and valuable, too, are the non-metallic minerals of this region, including cement, coal, sand and stone, and other construction materials, clay for bricks and tile, colored mineral aggregates used in stucco, terrazzo, cement stone, and roofing, and magnesite, used in the manufacture of building board and allied products. A magnesite deposit found near Chewelah is said to be the largest in North or South America.

- Then there are diatomite,—used in insulation,—asbestos, minerals used in the making of pottery, china ware, and glass ware, and pigments used in paints.

- Washington's coal industry is well enough known to need no review here. Suffice it to say that the United States Bureau of Mines estimates 63 billion tons of this essential product yet in the ground.

- One of the interesting minerals coming into widespread use is chromite, used in making chromium. Chromite is one of six of the rare minerals known



to this world. Few products have developed as fast or gone so far in so short a time as chrome steel or stainless steel alloys. Other uses aside from the steel alloys are in the chemical industry for making chromic acid, and salts of chromium, in the manufacture of furnace linings and high grade fire brick, in the manufacture of pigments and paints, in dyeing, and the tanning of leather. The uses of chromite are increasing every day, and authorities believe that the surface of its possibilities has barely been scratched.

- In 1939 Mr. Thomas Girdler, Chairman of Republic Steel Corporation, stated to the American Institute of Mining and Metallurgical Engineers' meeting in New York City that "the time might come when the United States would gladly give all the gold in its Kentucky vaults for a pile of desperately needed manganese and chromite." One of the most extensive chromite deposits in this section is in the Twin Sisters area.

- Until recently little has been done toward developing many of these various deposits. The majority of the minerals in this section are deposited in hard rock, difficult of extraction until the present time. Today scientific mining is completely built on a foundation of technology, enabling methods of extraction and processing never before possible. Many deposits, too, are in isolated regions, but recent efforts toward the development of mine-to-market roads, combined with the increased availability of cheap power, are fast overcoming this difficulty.

- Now, with our defense machinery moving at an ever increasing tempo, demand for minerals is increasing hourly, and efforts are being made to open up and develop these much needed mineral deposits. But those endeavoring to open the lid of this vast treasure chest have found it securely fastened with two very familiar-looking padlocks, "politics" and "established business."

- Owners of a group of mining claims in one section of the state joined forces in an effort to obtain working capital and priorities for machinery and equipment. Their efforts to obtain private capital for development have been blocked because the big capital combines do not want rival companies opened up. Efforts to obtain government priorities on machinery and building supplies have been blocked by \$1-a-year men for very much the same reason. A Washington business man long interested in the development of mining in the state

told this writer that a commission sent back to Washington, D. C., to obtain priorities for machinery and building, (these people had their financial backing,) was told very frankly by a Washington, D. C., official, that "they" would be crazy to allow these Pacific Northwest industries to open up because "it would blow the established industries sky high." With extensive deposits, cheap available, power, proximity to coal fields and to salt water, mining officials estimate that, for example, pig iron can be laid down on Northwest Washington docks \$3.50 per ton cheaper than in Pittsburgh or Toledo.

- So the twin padlocks continue to hold the lid of the treasure chest. But, you ask, isn't there a key to unlock those padlocks?

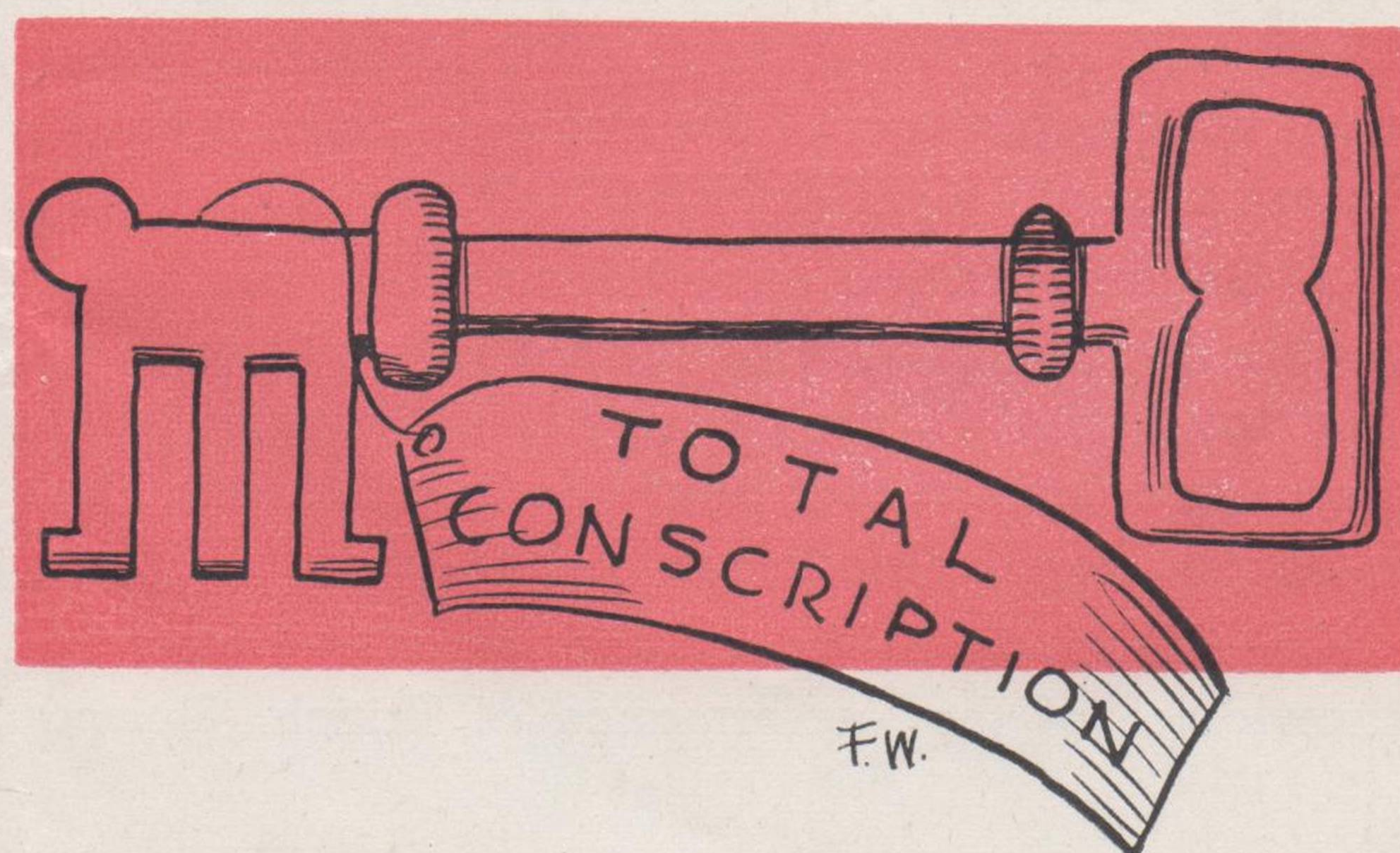
- There is, and the key is TOTAL CONSCRIPTION, of men, machines, materiel, and money, with National service from all and profits to none.

- Men and women of America, when are you going to rise up in your mighty strength and DEMAND that the President of these United States institute TOTAL CONSCRIPTION, so that all of the vast resources of this continent may be thrown into the winning of the war? For only in this way will this land and this continent remain "America, now and forever."

—E. O.

#### LIST OF REFERENCES

- Writer's program, Washington State W.P.A. *Washington, A Guide to the Evergreen State*. Binfords & Mort, Portland, Ore., 1941.
- Proceedings of Special Meeting, Executive Committee of Mining Bureau, Associated Chambers of Commerce, of Washington, May 9, 1941.
- Washington, Its People, Products and Resources*. Issued by Sect. of State, 1940 edition.
- A Memorandum on Chromite*. Issued by Industrial Mining Co., Bellingham, Wash.





# BALLYHOO

V S.

# FACT

*Excerpts from Major Alexander P. DeSeversky's article in the American Mercury for September, 1942, entitled:*

'Before me is an all-out advertisement by an oil company. Streamlined drawing and typography tell the American people that "Our pilots fly faster—fly higher—fly farther—than Axis planes—because of 100-Octane Aviation Gasoline."

'Now it happens that all major nations, including Germany, use 100-Octane fuel. But skip that. More significant is the fact that our pilots don't fly faster; the best German and British pursuits thus far have outflown ours; only in the bomber class, where speed is not the paramount consideration, have we measured up. We DON'T fly higher, on the contrary, our main fighters, the P-40 (Kittyhawk and Tomahawk) and P-39 (Airacobra) are stymied by engine shortcomings above the critical altitude of sixteen thousand feet, though British and Axis planes FUNCTION ABOVE THIRTY THOUSAND FEET. And finally, WE DON'T FLY FARTHER; the best British bombers could easily outdistance American bombers with equal useful loads; Jap pursuits have utilized emergency ranges that have left us sadly in the lurch.

'If the advertisement in question were exceptional, we could shrug it off as a case of misguided exuberance. Unfortunately, it is typical. A high-pressure campaign seems under way to reconcile American opinion to aviation equipment which, in many performance factors, is BELOW THE STANDARDS SET BY OUR ALLIES AND ENEMIES; equipment which, in terms of the strategic tasks that face America, is still QUITE PRIMITIVE.

'A General Motors advertisement for the Allison engine offers a picture of the P-40 pursuit with this amazing claim: "Quality superiority counts!\*\*\*\*It's a matter of record that predates Pearl Harbor, how Allison-powered planes can dish it out."

'On the basis of direct and extensive personal knowledge of the performance of British, German



Major Alexander P. De Seversky

and American engines, I am obliged to attest that this statement is an extraordinary exaggeration.

Still referring to the same plane Major DeSeversky says:

'A recent article in Collier's, by William Clemmens, tells how General Chennault (commander of the Flying Tigers) prepared his men for the harsh reality that "Japanese planes could climb faster, turn quicker, bring more fire power to bear." He records that the first lesson Chennault taught his fliers was this: "Never attack alone. One P-40 against one Jap is outnumbered three to one . . . " airmen, "despite the handicap of inferior numbers and inferior quality of their pursuit planes . . . continue to maintain aerial superiority by their flying and fighting ability." He defined that qualitative inferiority by referring to the new Jap Zero, "which is able to outmaneuver, outclimb, outdive and outfly the P-39 Airacobra) and the P-40 (Kittyhawk)."

'Anyone even slightly familiar with world-wide aviation facts is aware that we entered the war at the end of 1941—more than two years after its outbreak—with equipment which, especially in the fighter and pursuit class, was DISMALLY BELOW THE BRITISH, the GERMAN and in some respects, the JAPANESE. That backwardness is the sorry heritage of long years of underestimation of the air weapon, and the illogical subservience of our airmen to infantry and naval leadership.

'An eminent publisher recently evoked wild applause from 1500 luncheon guests in the Waldorf-Astoria ballroom with accounts of our tank and gun



production . . . But it would have been better if the audience had also heard a word about the shortcomings of these tanks and guns . . . . A few weeks later came the disaster in Libya, in part because our guns were inferior to Rommel's tank artillery in calibre and muzzle velocity.

The same publisher presented a glowing—and wholly justified—tribute to a great new bomber plant. He failed to note, however, that the bombers on those mile-lang assembly lines are **JUST TOO SHORT IN RANGE FOR DIRECT ATTACK ON JAPAN PROPER.** That fault is not of a technical or engineering nature. It reflects a failure in strategic thinking at the top, rather than in our aeronautical and engineering ability. To the enemy, as to all strategic-minded airmen, the inadequate range is as good as a tip-off that the **OUTMODED ISLAND-BY-ISLAND STRATEGY IS STILL DOMINANT.**

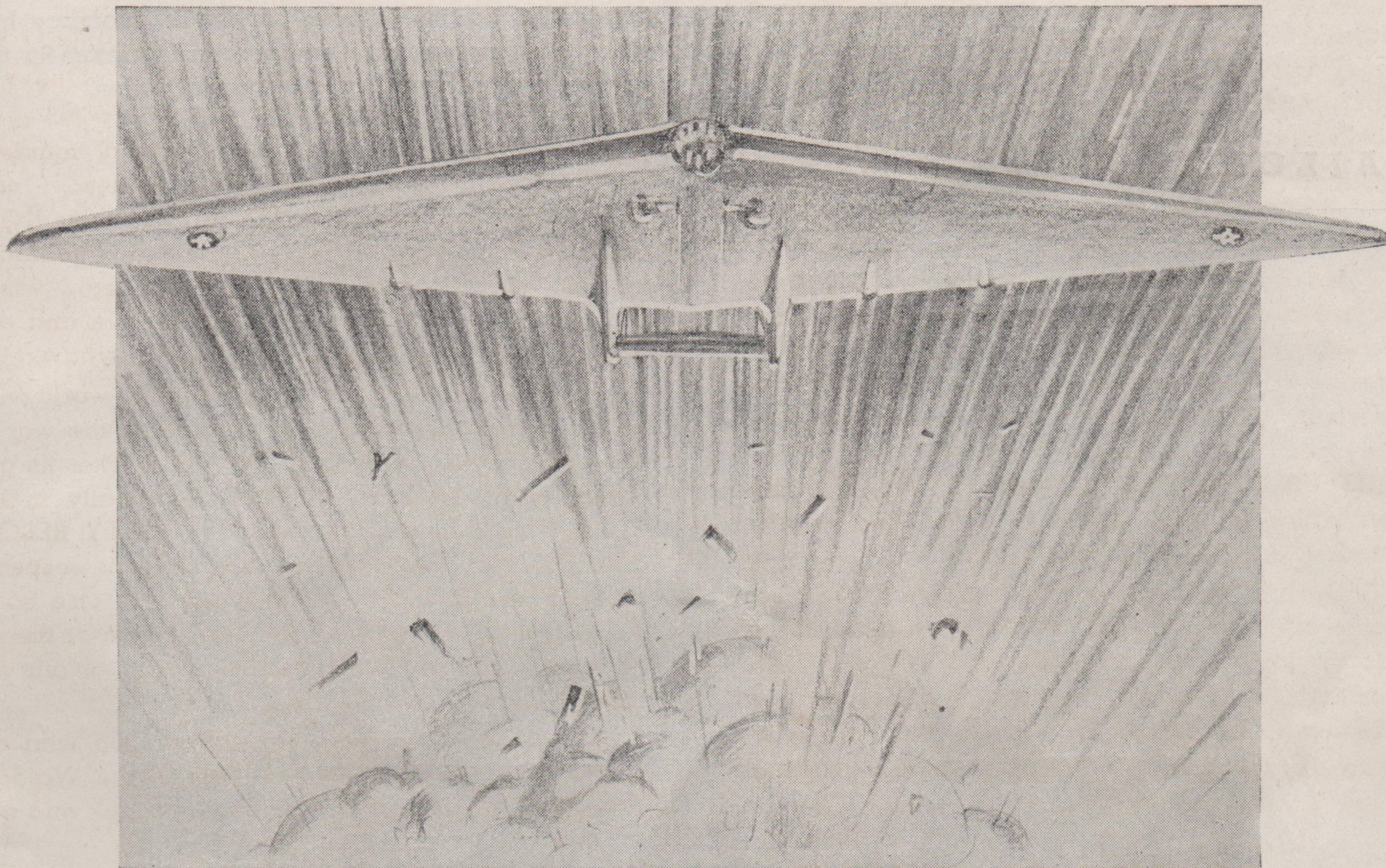
'That publisher, along with the whole American people, is simply a victim of what looks suspiciously like a deliberate effort to placate American public opinion. We are being given **SOOTHING SYRUPS AID SALES TALKS INSTEAD OF HARD, COLD FACTS.** The master minds responsible for the situation cannot be naive enough to think they are

fooling the Axis. Is the great idea, then, to fool the American people?

'What is the purpose of ladling out boastful misinformation to young and old alike, in advertising, articles, radio addresses, official statements and official silences? If the idea is to conceal past mistakes, it is missing fire. The facts are too obvious to be hidden.

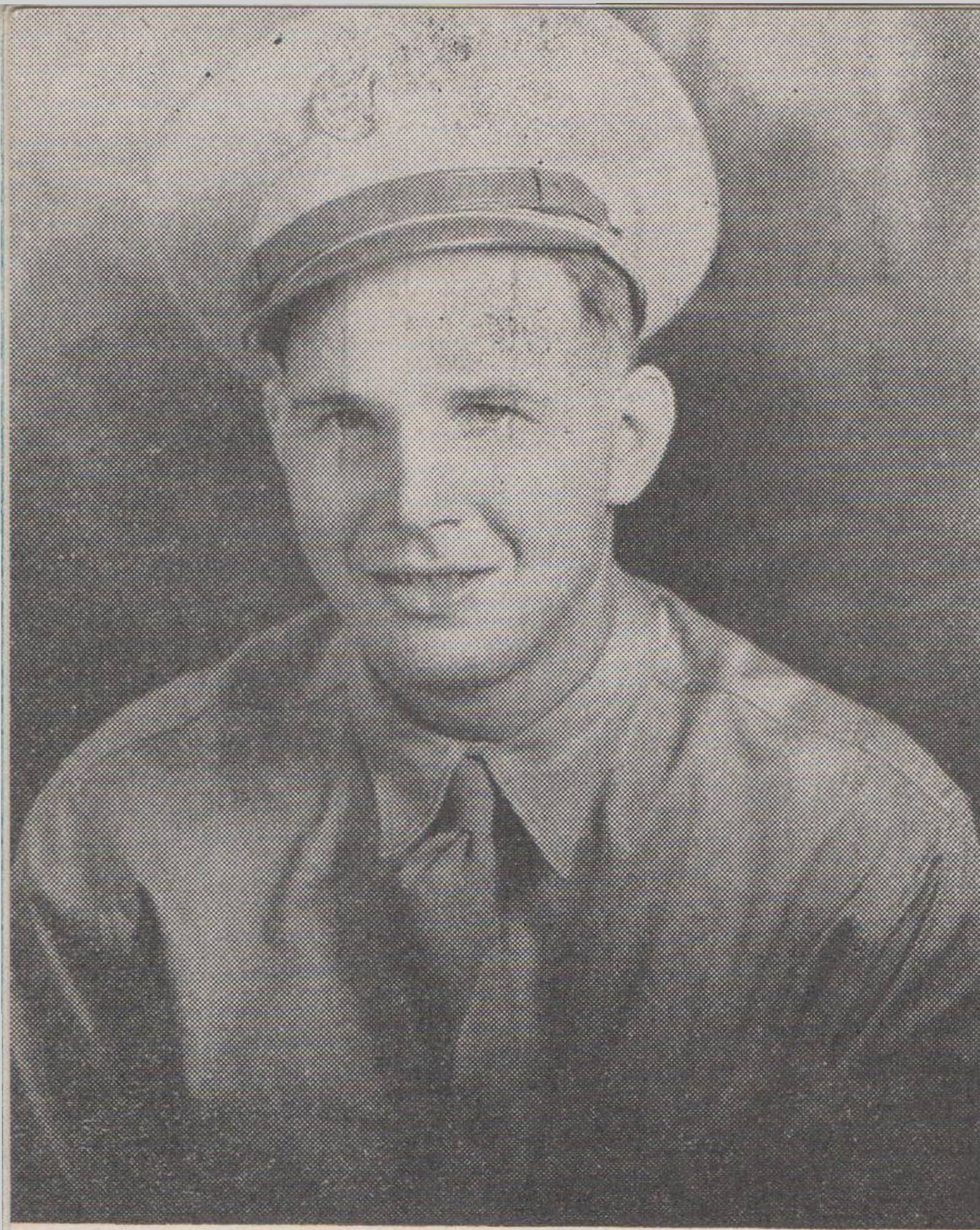
'Every exaggeration does harm to our air power by distorting the truth about aviation as the main element in this war . . . . To put the matter bluntly, **THE BALLOHOO IS SO CRUDE THAT IT DEFEATS ITSELF.'**

*Editor's Note:* Remember that all of the deficiencies mentioned above in our present inadequate aviation equipment is more than overcome by the **FLYING WING BOMBER**, World's Largest and Most Powerful Plane. It was designed by aviation engineers of Technocracy Inc. and the specifications turned over to the U. S. Government a year ago. It has a ceiling of thirty thousand feet, a range of 12,500 miles—much greater than that of any existing plane—more powerful firing power than other planes—and will carry a bomb load of **FIFTY TONS** or three hundred fully armed troops.



**TECHNOCRACY'S FLYING WING**





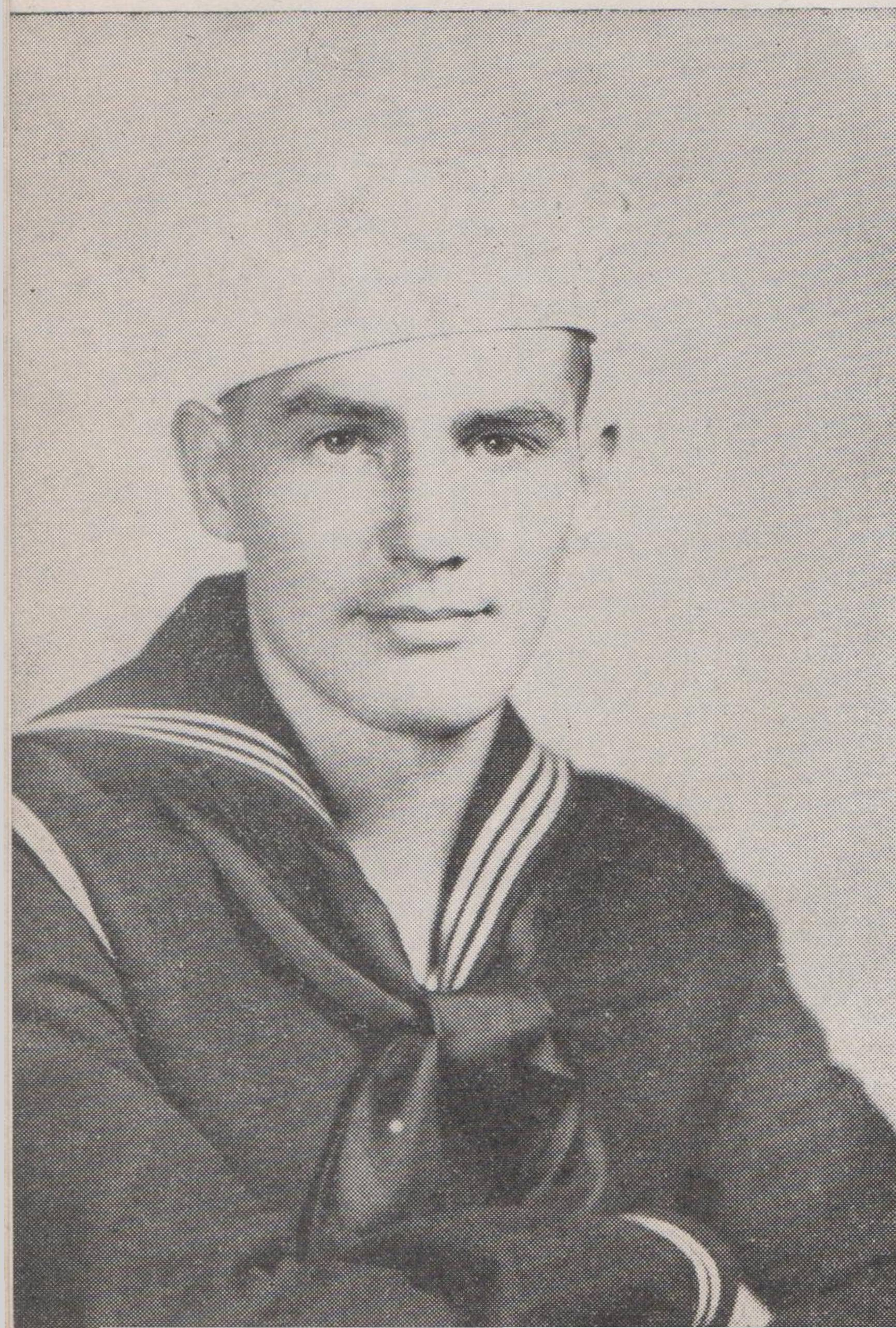
**SOLDIER**

# THEY'RE GOI

● Soldier, sailor, doctor, tailor,—from all walks of life come the Technocrats, from all occupations and economic levels, from all races and religions that go to make up America. Organized from coast to coast and having members in Alaska, Panama and Porto Rico, Technocrats are characterized by one thing,—they are patriotic Americans.

● On these pages you see them as they appear in their daily walks of life. Technocracy has many members in the army, the navy and the air corps. They make good soldiers for they learn self discipline in the organization. Doctors, nurses, and men of science 'take' to Technocracy naturally, for its tenets are based on the scientific approach. Technocracy has teachers in the public schools and in colleges. The one pictured on this page finds his membership in Technocracy a recommendation. He devotes all of his spare time to the educational division of Technocracy. Many members are employed in public service,—in the fire department, the police force and the postal service. A Seattle Section has one member who has made his barber shop into a miniature Technocracy Study Class. Patrons gaze at the map of the Technocrat as they are having their hair cut and are given free literature as they go out. The milkman you see on the following page displays Technocracy's Total Conscription signs on his milk truck. Technocracy has more engineers in its membership than any two engineering societies in the United States. (Technocracy applies engineering to the social order.)

**SAILOR**



**TEACHER**





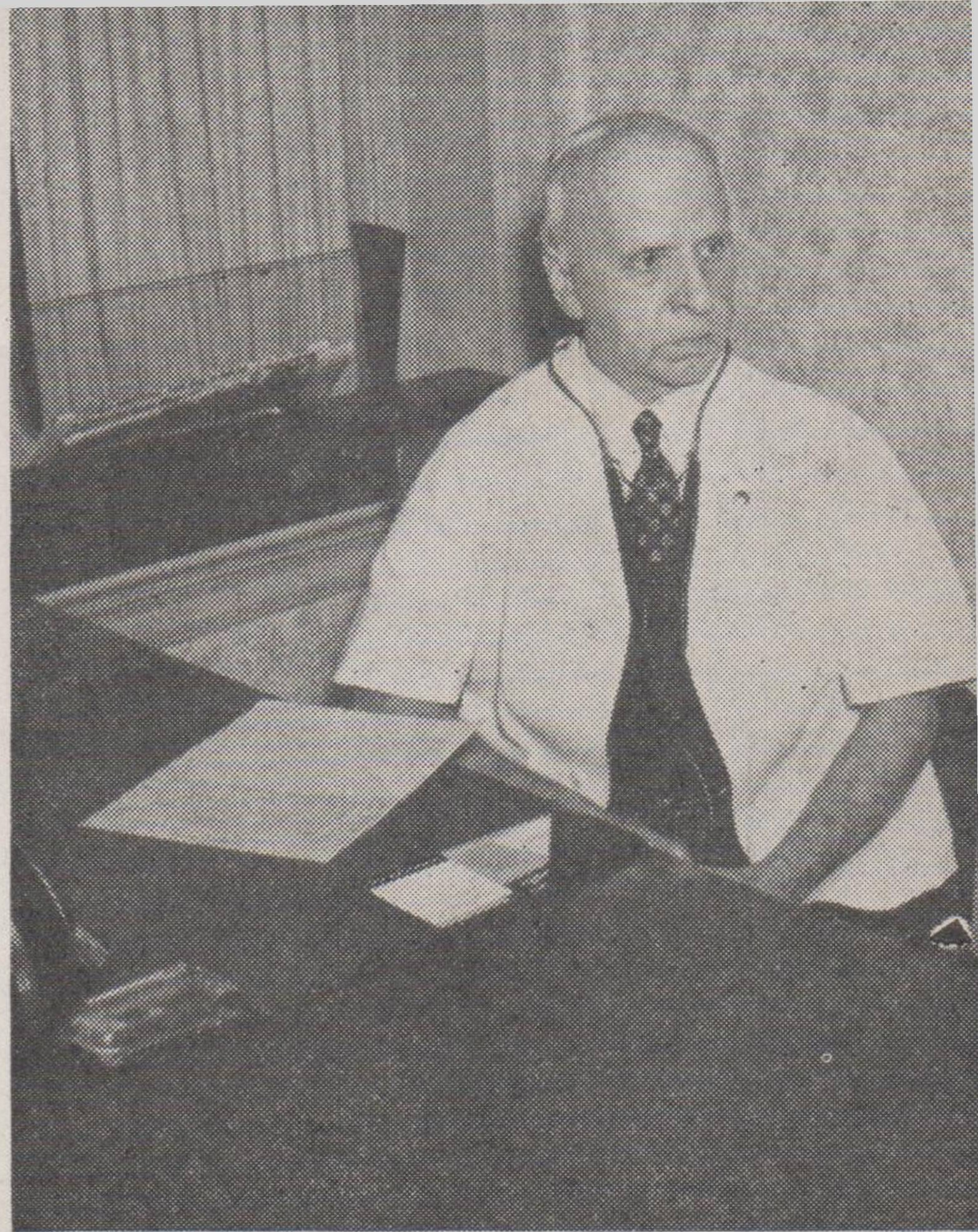
# NG ALL OUT

● Technocracy is the only American social movement with an American program that has become widespread in America. It has borrowed nothing from European or Asiatic social philosophies, but is based on the scientific approach to America's social and technical problems.

● In many other respects Technocracy is unique: It is not a commercial organization or a political party; it has no financial subsidy or endowments and has no donations of its members. The widespread membership activities of Technocracy are performed voluntarily; no royalties, commissions, or bonuses are paid, and only a small full-time staff received subsistence allowances. Technocracy's development on this financial basis is regarded by many as a modern miracle. Yet it is a fact. Just ask a Technocrat.

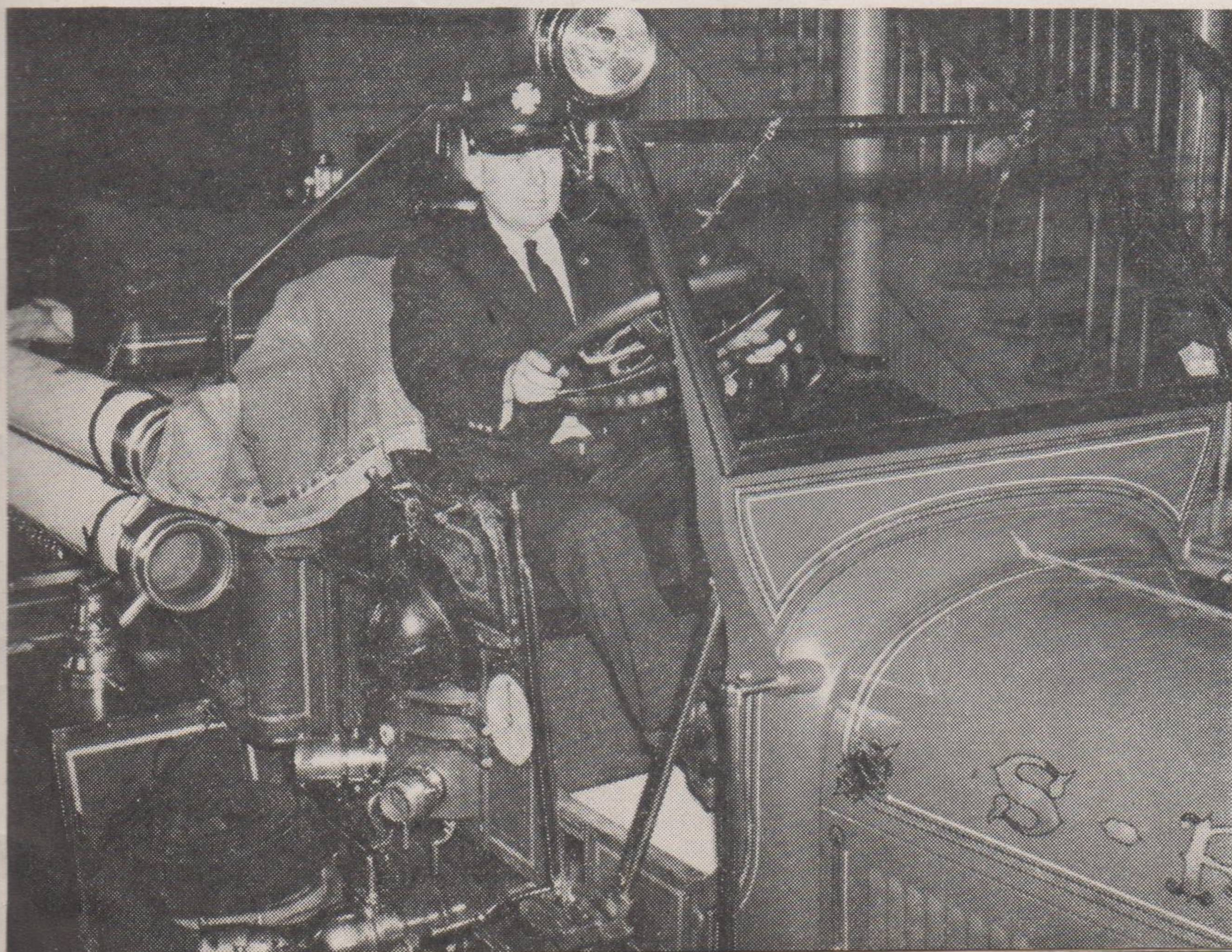
● Besides having many Technocrats employed in defense industries, many are engaged in voluntary defense work. Some of the largest Red Cross First Aid classes on the coast were made up entirely of Technocrats and were held in their headquarters. Many of these now have instructor ratings. Technocrats have opened their headquarters for air raid meetings and civilian defense registration centers. In some cities whole squadrons of Technocracy gray cars, equipped with sound units, have been used in civilian defense demonstrations.

Continued on next page



DOCTOR

FIREMAN



TAILOR







B A R B E R

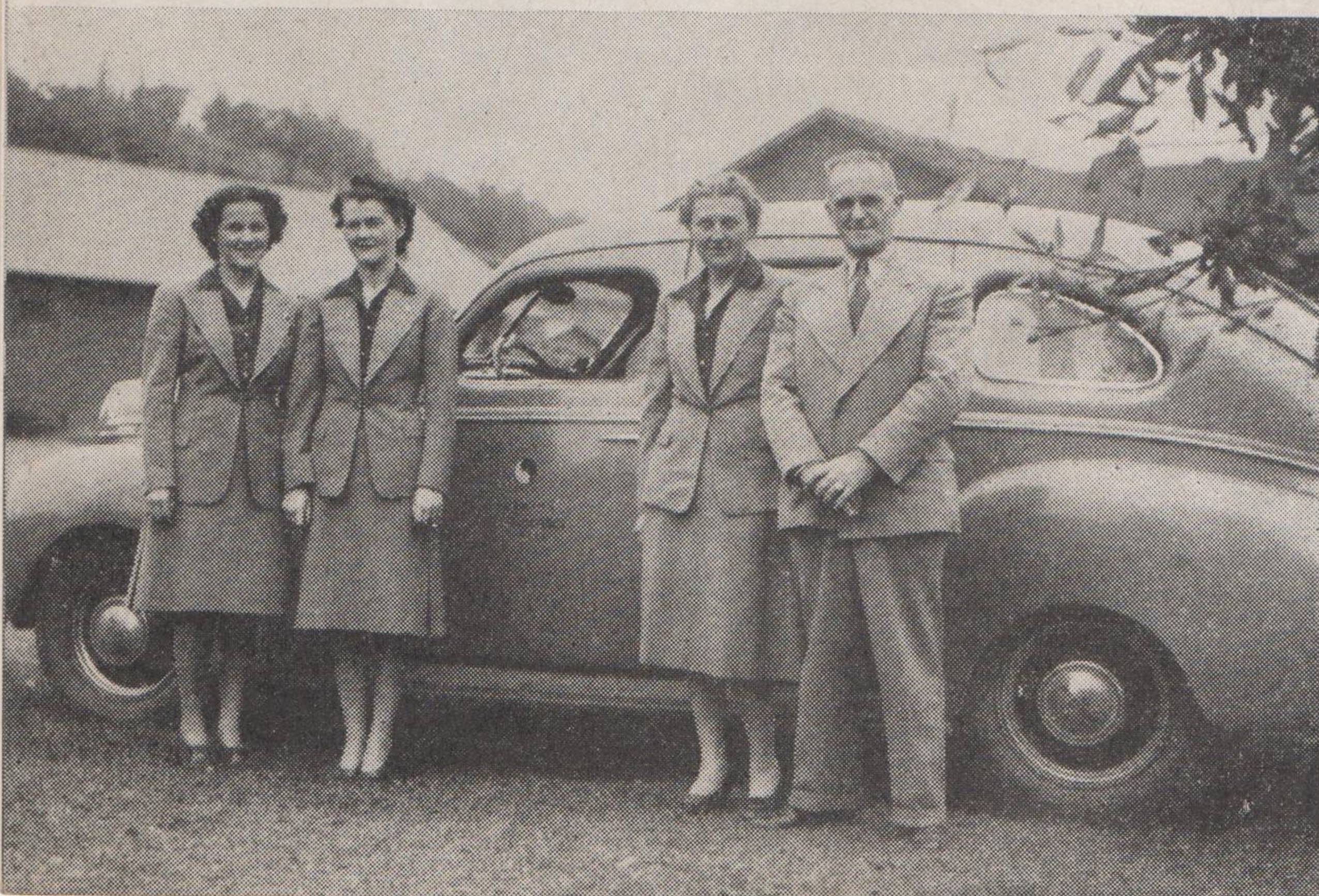


S T E N O G R A P H E R



M I L K M A N

ENGINEER AND FAMILY GO 'ALL OUT' FOR GRAY



H O U S E W I F E





POSTMAN



MECHANIC



PAINTER

● Applying the scientific approach to the winning of the war, Technocrats realize that this is a technological combat that calls for all out mobilization of America's men, machines, materiel and money with national service from all and profit to none.

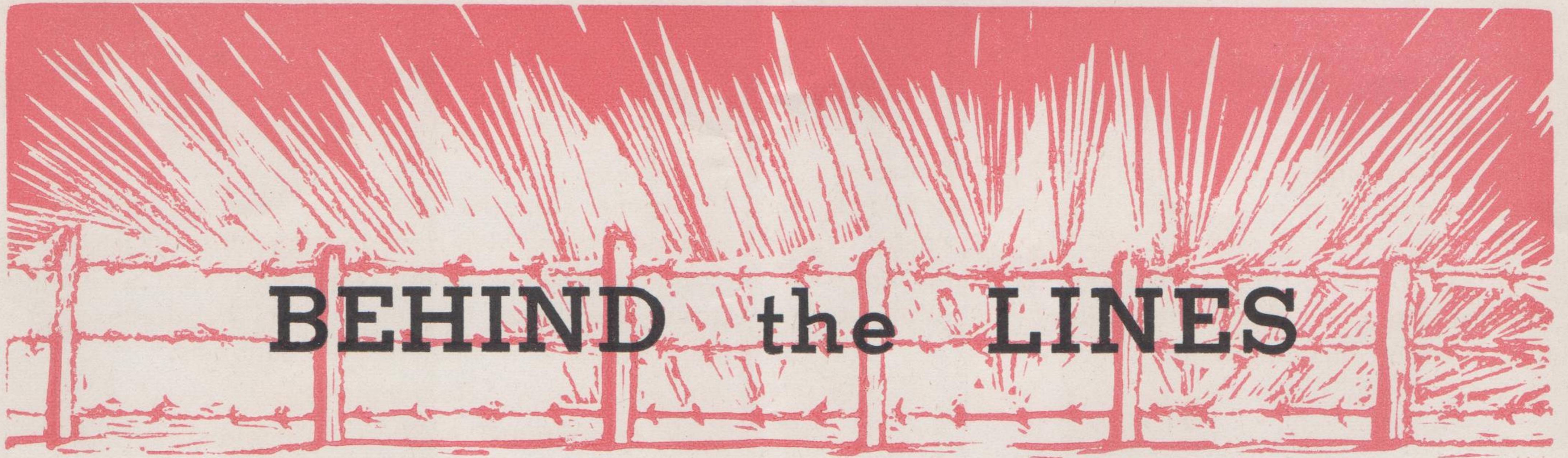
● The entire resources, equipment and personnel of the organization have been mobilized since December 7 for one objective, — the winning of the war, and what patriotic American can have any other objective until the war is won?

● Join Technocracy and help PLAY AMERICA TO WIN!

## JUST A TECH-NO-BRAT







## BEHIND the LINES

### WHAT PRICE ABUNDANCE ?

The following is taken from the Washington Merry-Go-Round in the Seattle Post-Intelligencer, October 11: 'SECRETARY WICKARD FEARS FOOD CRISIS—Secretary of Agriculture Wickard has made it clear in private conferences that he takes vigorous exception to Donald Nelson's recent statement: "We are going to eat throughout this war."

On the contrary, Wickard says that we are going to be more and more up against it for food—unless we give the farmer more machinery and more labor.

Farmers actually are killing good dairy cows for beef because they cannot get labor or machinery to keep up their dairy herds. In the Chicago milk shed alone, 1700 dairy farmers have sold their herds and GONE OUT OF BUSINESS.

Further confirmation of the fulfillment of Secretary Wickard's dire prediction is contained in the following article in the Seattle Times of October 11:

'LABOR SHORTAGE, SALE OF HERDS CUT MILK SUPPLY—12 Cooperatives Report 50 Percent of Hired Hands are Gone; 2,500 Cows are Sold to Slaughter Houses.'

The above headline refers only to the situation in Washington and the article states: 'A survey made by the United Dairymen's Association showed that the number of hired hands employed by twelve of the state's dairymen's cooperatives has decreased almost 50 percent in the past year.

"There is no question that we are going to have a milk famine if the labor situation is not improved," said Russell S. Waltz, manager of the Consolidated Dairy Products Company, Seattle. "The most significant indicator is THE FACT THAT THE SEASONAL DECREASE IN PRODUCTION IS TREMENDOUSLY GREATER THAN LAST YEAR."

### PAGING RIP VAN WINKLE RAYMOND CLAPPER WAKES UP !

The following is taken from the Seattle Star of October 8: 'GOLDEN ERA GONE—SLOW TO LEARN-REALISTIC ECONOMICS.

What strange reading McKinley and his gold-standard generation would have found in the newspapers this week. W P B has decided to close all of the larger gold mines of the country.

We were slow to see that gold had lost its place in the scheme of things. After the last world war, some of our penetrating thinkers recognized that production of useful things, capacity to make useful things, was what counted. \* \* \* \* We must break away from dead language, dead phrases, dead rules, and APPLY THIS SAME KIND OF GOLD-MINING REALISM TO MILITARY STRATEGY, to foreign policy and to postwar world relations.'

Editorial comment: We are glad to learn that Clapper has finally been aroused from his twenty-year slumber but we ask him quite pointedly, 'Well, Raymond, what seems to be holding you back. WHAT ARE YOU GOING TO DO ABOUT IT. LET'S GO!'



### A STUDY IN CONTRASTS

The following is from the Christian Science Monitor, October 6, 1942: 'On ten nights during the first half of September the Royal Air Force dropped nearly 10,000,000 pounds of bombs—(5,000 tons)—of bombs on Europe, the British Airministry announced.'

From the Christian Science Monitor of October 9 we learn that: 'The fast growth of American air power and striking strength in North Africa has been revealed in an official dispatch to the War



Department that 3,161,000 pounds of bombs—1580 tons—were dropped by Americans upon the Axis in the FOUR-MONTH PERIOD between June and September.'

The above figures may sound very impressive to the average layman but every Technocrat knows that a single fleet of 1100 FLYING WINGS would, in ONLY ONE TRIP, drop 55,000 tons of bombs upon their objectives in Europe (or Japan) and return to their base on this continent.



## DOROTHY SEES THE LIGHT!

(From Dorothy Thompson's column)

'Within the last two weeks two high authorities of the armed forces have said in so many words that we are losing the war to date, because of smug complacency and deceptive optimism.

'Some editors have rushed to the defense of the American people objecting to the use of the word "we." I think we should accept the word ..we." For in this war, the inherent faults of our civilization are being ruthlessly exposed.

'Our civilization has been a business civilization. It's basis has been ruthless competition for power, prestige, and success. If then, we draw on this world for our officials, why should we expect that by some miracle ruthless competition for power, prestige, and success suddenly evaporate from their mentalities? They carry into government all the characteristics of private life.'—*Portland Oregonian*, Oct. 2, 1942.

(Editorial Comment): Well, Dorothy practically takes the words right out of our mouths. Words which, as several million know, Technocracy Inc. has been uttering quite forcefully for the past eight years. We wonder where Dorothy has been hibernating all this time. Could it have been in darkest Africa? Even now she deals only in glittering generalities. Just another example of the 'Too Little, Too Late' variety.



## INTERFERENCE IN MINING CHARGED

The only immediate hope for development of Northwest Washington's mineral resources is that Uncle Sam will step in with funds and priorities to unlock potential ore deposits virtually at our doorstep, Attorney R. W. Greene, one of the incorporat-

ors of the Pacific American Steel & Iron Company, which has applied for a \$50,000,000 government loan for development of ore possibilities here, told the Washington club Friday noon at the Hotel Bellingham.

Greene said the Morgan interests and allied banking associates are blocking attempts to obtain capital for development of mineral wealth here because they want to protect their "hundreds of millions invested in Eastern steel interests."

### Holdings Pooled

He said mineral holdings in this district had been pooled and the owners are willing to proceed on a basis whereby the government would finance the cost of the development and be paid off on first returns, the owners to get a reasonable royalty. Greene said it is impossible, in view of the attitude of the Morgan interests, to obtain private capital for the exploitation of the resources.

"If we can get by the opposition of the \$1-a-year men interested in other plants, we may get something done," he said. Greene revealed that only recently the chief geologist of the United States and crews working under his direction, made a survey here to approximate the mineral resources, which he described as virtually unlimited. He said pig iron can be produced and laid down on the dock here \$3.50 a ton cheaper than in plants at Pittsburgh and Toledo.—*Bellingham Herald*, Sept. 28, 1942.

See 'NATURE'S TREASURE CHEST' in this issue.



## CURTAINS FOR WENDY?

In his speech of October 12, President Roosevelt implies a warning to some so-called strategists in this statement:

'The trouble with the typewriter strategists is that, while they might be full of bright ideas, they are not in possession of much information about the facts or problems of military operations.

We, therefore, will continue to leave plans for this war to the military leaders.'

Could that foreshadow the virtual early retirement of WINDY WENDY after he has completed his recent triumphal tour of the globe? He might even be missed by a few who have doubtless found his opinions slightly entertaining as well as amusing at times. (Written Oct. 13.)



# BUILDERS

## of

# MORALE



ASK the average man what Henry J. Kaiser is building and he would say, 'Why, he is building ships—faster than any other yard in America.' 'Yes, but what else does he build now' you ask and his reply might be 'He is starting to build cargo planes, too.' While correct, per se, each reply misses the important point. The primary reason why Kaiser yards build ships faster is due to the fact that he is a builder of morale.

- Henry J. Kaiser is known throughout the nation as a master builder and miracle worker of the West because he talks achievement with tremendous conviction and follows it up with thrilling accomplishments over seemingly insurmountable obstacles.

- He was told that Boulder Dam would be a tough job but they finished it two years ahead of schedule. Then they told him it would be impossible to build Bonneville Dam but he did it. When the Kaiser company entered the picture at Grand Coulee Dam after the foundation had been built by the M W A K Company, they soon started making new records in concrete pouring and other jobs which completely shattered the very high marks already attained by the former contractor, although many qualified persons there thought the former records would never be surpassed.

- When he started building ships only two years ago Kaiser's engineers said they lacked 1200 items. But they were undaunted by that apparently discouraging fact. They went ahead and in a few weeks lacked only 500 items, then only 100 and finally—none.

- Henry J. Kaiser is a man who has great ideas and also possesses the great driving force to make them come true. He frequently refers to 'flow and rhythm' as responsible for the achievement of all great work. He inspires his men with a spirit of daring and self-confidence.

- It was due to this dynamic force imparted by their leader that a few of his men were able to take over a barren tract of land in Vancouver in February, 1942, and by the first of October had literally transformed it into the most modern shipyard in our nation, employing upwards of twenty thousand men. When this writer went through the plant a few weeks ago he was particularly impressed with the efficient manner in which the buildings had been laid out to expedite the flow of materials to the ships. Throughout the entire yard there was evidence of a master plan of design and operation. And four ships had already been launched, thus giving concrete evidence of the amazing efficiency of another Kaiser yard.

The fact that struck me most forcibly—as a Technocrat—was the parallel in many respects between the characteristics and methods of Mr. Kaiser and those of our own Director-in-Chief.

- Howard Scott is also possessed of amazing foresight, the ability to make instant decisions, the dynamic force and driving power which have enabled him to constantly overcome the enormous obstacles in his path for the past twenty years. During the first ten years the path was frequently a solitary one as he saw some of his fellow workers drop out of the struggle because the pace was too strenuous



or they had lost their vision. But in the past ten years Mr. Scott has been making history in a big way. And for every one of the weak sisters who fell by the wayside in the first lean years he has recently gained a thousand staunch adherents.

- Mr. Scott has made these spectacular gains by building morale in imparting to his fellow workers something of his own vision, courage and tremendous dynamic force.

- Let us review a few of the highlights of the past two decades which bring out in bold relief the qualities mentioned.

- VISION—Prediction of 1921:

- 'The increase in the total number of kilowatt-hours resulting in increased productive power and diminishing man-hours will compel an industrial and financial crisis by 1930.'

- PREDICTION OF JULY, 1932—'The wave of national frigidity now sweeping over the financial structure of the country will end in closing of all banks by the month of April, 1933. The banks will be opened only by the application of federal credit.'—Howard Scott at Teachers College, Columbia University, New York.

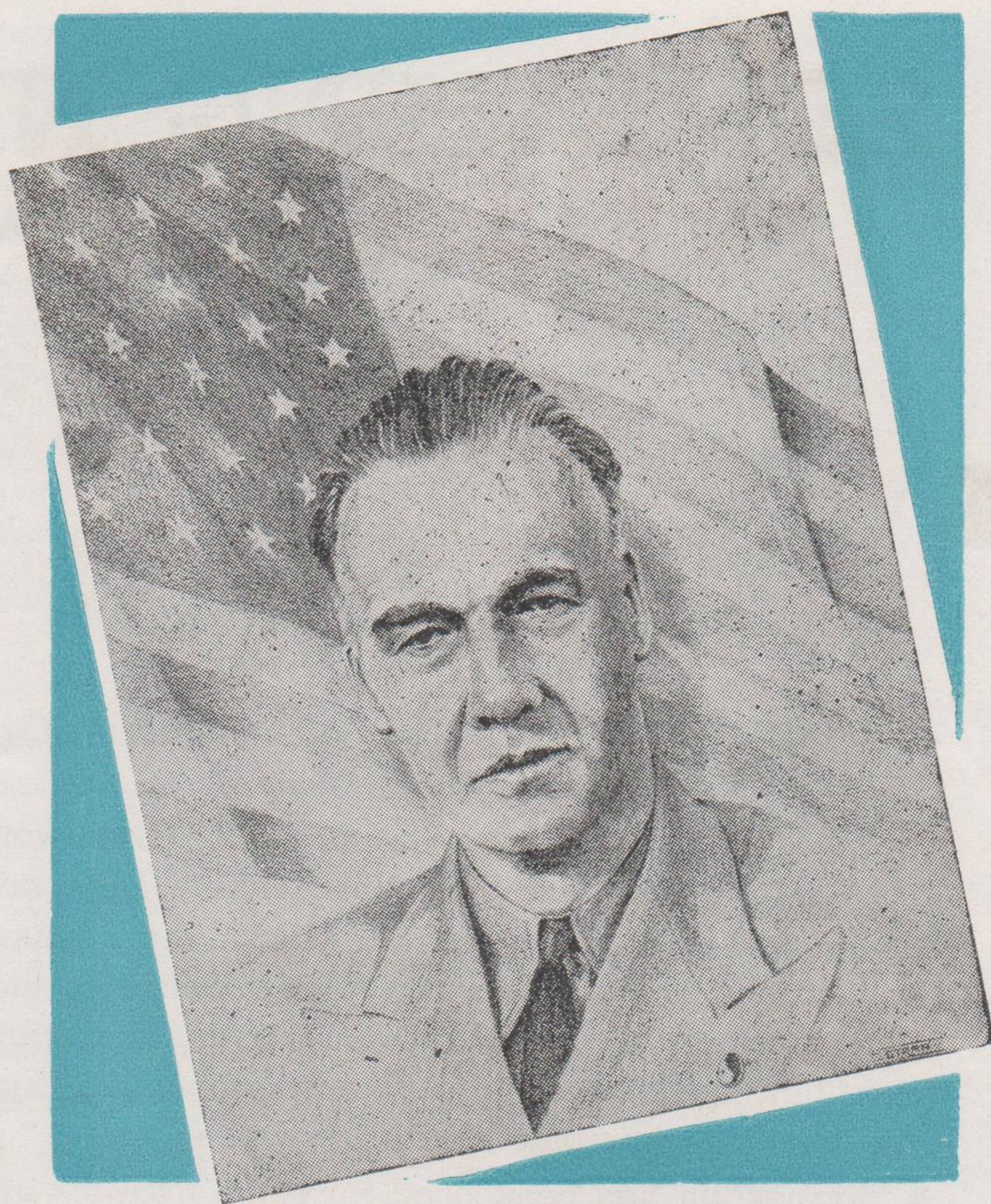
- PREDICTION OF JULY, 1935 (Technocracy Magazine, A-2).

- 'As new debt is not created fast enough to provide sources of investment for the incomes accruing from the outstanding debt claims, the liquidity of all financial institutions will tend to increase toward 100%, while, inversely, the rate of interest will tend to decline simultaneously toward zero.'

FULFILLMENT: Average interest rates on all classes of bills and securities with the Federal Reserve Banks declined from 4.86% in 1929 to 1.44% in 1939. (See Northwest Technocrat, Aug. '42.)

- VISION and COURAGE—Since 1934 Mr. Scott has advocated the removal of all Asiatics from the boundaries of United States.

- In October, 1935, Howard Scott (Technocracy magazine) objected to our Merchants of Death supplying Japan with most of its oil, nickel, cotton, plywood, sulphur, SCRAP IRON, and other necessary raw materials and manufactured products. He specifically predicted that, 'American materials will come back to us done up in Japanese wrappers that won't be so pleasant—THEY WON'T BE BOUQUETS.'



HOWARD SCOTT  
Director - in - Chief TECHNOCRACY INC.

- In August, 1938, Howard Scott asked for a complete reorganization of our entire American defense machinery along technological lines.

- In July, 1940, when government officials were meekly discussing trivial estimates of the cost of war to United States, Howard Scott boldly stated that: 'Continental defense will cost in excess of 100 billion dollars if produced by a national operating conscription of physical wealth. To attempt to produce adequate Continental defense under the chiseling practices of this Price System would COST SEVERAL TIMES THAT MUCH.'

- Months before the passage of the Lease Lend Act, Howard Scott proposed a specific amount of aid to Britain in the sum of fifteen billion dollars.

- For several months leading Army officials have been demanding that youths of 18 to 20 be drafted but politics are still causing endless delays. But, in July, 1940, Howard Scott advocated conscription and a three year defense training period for all males and females between the ages of 18 and 21.

Continued on page 21



# SOMETHING NEW

## Has Been Added

### HELIARC WELDING

Review of an article from 'FLYING'

**E**NGINEERS of Northrup Aircraft, Inc. at Hawthorne, Calif., have given the aircraft industry something new to work with, heliarc welding. This new process of arc welding has made it possible to use magnesium for aircraft construction, that same magnesium which is found in inexhaustible quantities in ocean waters, in many common mineral ores, and pumped from brine wells.

- Magnesium has been used for some time for aircraft engine parts, wheels, and cast accessories, but up to now has not been extensively used as a primary construction material because of the difficulty of fabrication. The new welding process makes it possible to use magnesium alloys instead of aluminum alloys, and leads to tremendous advantages both in manufacture and performance.

- Magnesium alloys will soon be cheaper than aluminum alloys because of the construction of huge new magnesium plants and increased production in those plants now in operation. It requires 24,000 kilowatt hours to produce a ton of aluminum from bauxite, but only 18,300 kwh to turn out a ton of magnesium. And the ton of magnesium has 54 percent more volume, or one and one-half times the amount of actual metal. In other words, more metal produced with less kwh of power used. (Technocrats please note!)

- Magnesium is the 'hot stuff' in an incendiary bomb, but magnesium alloys are more resistant to direct flame than aluminum alloys. Magnesium alloys are 35% lighter than aluminum alloys and only 21% the weight of steel, yet their weight strength ratio compares favorably with aluminum alloys, and they possess properties of rigidity and stiffness not obtainable in other alloys. But until now, there has been no way to put pieces of mag-

nesium together. The answer seems to be the new heliarc welding.

- This method has also proven successful in welding stainless steel, brass, monel, and other hard-to-weld metals.

- Technically stated, in the heliarc welding process a shield of helium gas envelopes the molten metal. Because helium is an inert gas, it prevents oxidation. It also eliminates the use of a flux and the danger of entrapped flux in the weld ingot that would promote corrosion. The arc in this process is produced directly between a tungsten electrode and the base metal itself, rather than between two tungsten electrodes.

- The Northrup heliarc welding torch is equipped with a helium valve that is opened just prior to the striking of the arc, and which feeds the helium thru the torch to the weld. Helium has over five times the specific heat of air, and when in motion prevents heat accumulation around the weld, keeping it cooler and giving a better fusion with less distortion than other welding processes.

- Experiments with heliarc welding started at the Northrup plant more than two years ago, and now, just when it is so sorely needed by the aircraft industry, the new process is perfected and ready for use.

- Northrup engineers believe that the airplane of the future will be welded. Heliarc welding was perfected to allow them to use magnesium as a primary metal in airplane construction. They can build a magnesium wing with almost no stiffening inside, and it will be lighter, just as strong, easier to build, and smoother than a riveted aluminum wing. And what is true of the wing can also be true of the rest of the machine.

- So Messrs. Hitler, Tojo, et al, please take note. Any time now you will be getting some brand new surprise packages, all bright and shining and delivered direct by air by the United States Army and Navy Air Corps!



## A MASTER PLAN FOR A MAJOR VICTORY

Continued

is where the condition of undersupply in some goods, over-supply in others begins. When he does ship, his products pass through the hands and the control of commission merchant, jobber, wholesaler and retailer, before it reaches the consumer. In each of these moves, enroute, delivery is delayed by gargaining over price and profits between buyer and seller. Rapid Transit is still further delayed by lack of coordinated control of all transportation facilities. The end result is that food supplies of one kind are grown, processed and transported in excess of the amount needed and definite shortages occur in the same food or in others.

● The specifications of Total Conscription, when adopted, would iron out this situation. The agriculturist would be on the government payroll and on the same status that we have outlined. Price and profits would be cut for the duration. Each farmer would plant and harvest his complement of those foodstuffs which was needed to make the grand total of those particular products needed for civilian and military use and for shipment to our Allies. The function of commission merchant, jobber, and wholesaler would be gone for the duration. Persons now busy in these vocations would be conscripted for other duties. The government of these United States would acquire title to all farm products at their source. Since all transportation, personnel and equipment would also be conscripted, the produce would be routed directly to major distribution points, or if to be processed, directly to processing plants, thence to the material banks for distribution. In other words with full coverage administration, by the government, of production of foodstuffs and of allocation and distribution of them, correctly balanced quantities of each kind of food would be produced, transported and allocated as the necessities of our Armed Forces and Allies and our civilian population indicated.

● Men and women of America, Technocracy's proposal of Total Conscription for the duration and for six months after the war, covers all the measures America must adopt if we are to win this war, just as it covers those we have briefly touched upon tonight. For Victory—For Survival—installation of a master design for America's war time operations

is mandatory. In Total Conscription of America's equipment, resources and wealth, we have that design. Reject it—and risk the needless sacrifice of thousands of American lives, the probable loss of the war and enslavement by the barbarous fascism of Europe and of the Orient. Demand Total Conscription—install it—use it—and destroy fascism forever.

—N. J. B.



## BUILDERS OF MORALE

Continued

● In June, 1941, when pressure groups such as the America First Committee and many others were still receiving the plaudits of multitudes and millions of dollars still pouring into their treasuries (collectively), Howard Scott boldly INDICTED ALL PRESSURE GROUPS in an official release which went to the hundreds of Technocracy Inc. sections in our nation. It is significant that it required more than a year after that for our political government to make up its mind to outlaw such subversive organizations.

● While Mr. Kaiser combs the nation and recruits thousands of men to work in his shipyards at very good pay, Howard Scott has combed the continent and recruited countless thousands of men and women to work for Technocracy and Total Conscription—gladly and for long hours—without pay. (Remember, it takes thousands of hours of time to design a plane like the Flying Wing and that many years have elapsed since the first designs of the plane and motor were drawn. Yet, the specifications were given to the government in 1941).

● Since Pearl Harbor, Kaiser has been launching ships with amazing rapidity. In the same period Howard Scott has been launching Technocracy sections throughout the nation with the same speed.

● Mr. Kaiser, in gathering men and materials for his far flung enterprises takes in the scope of the nation.

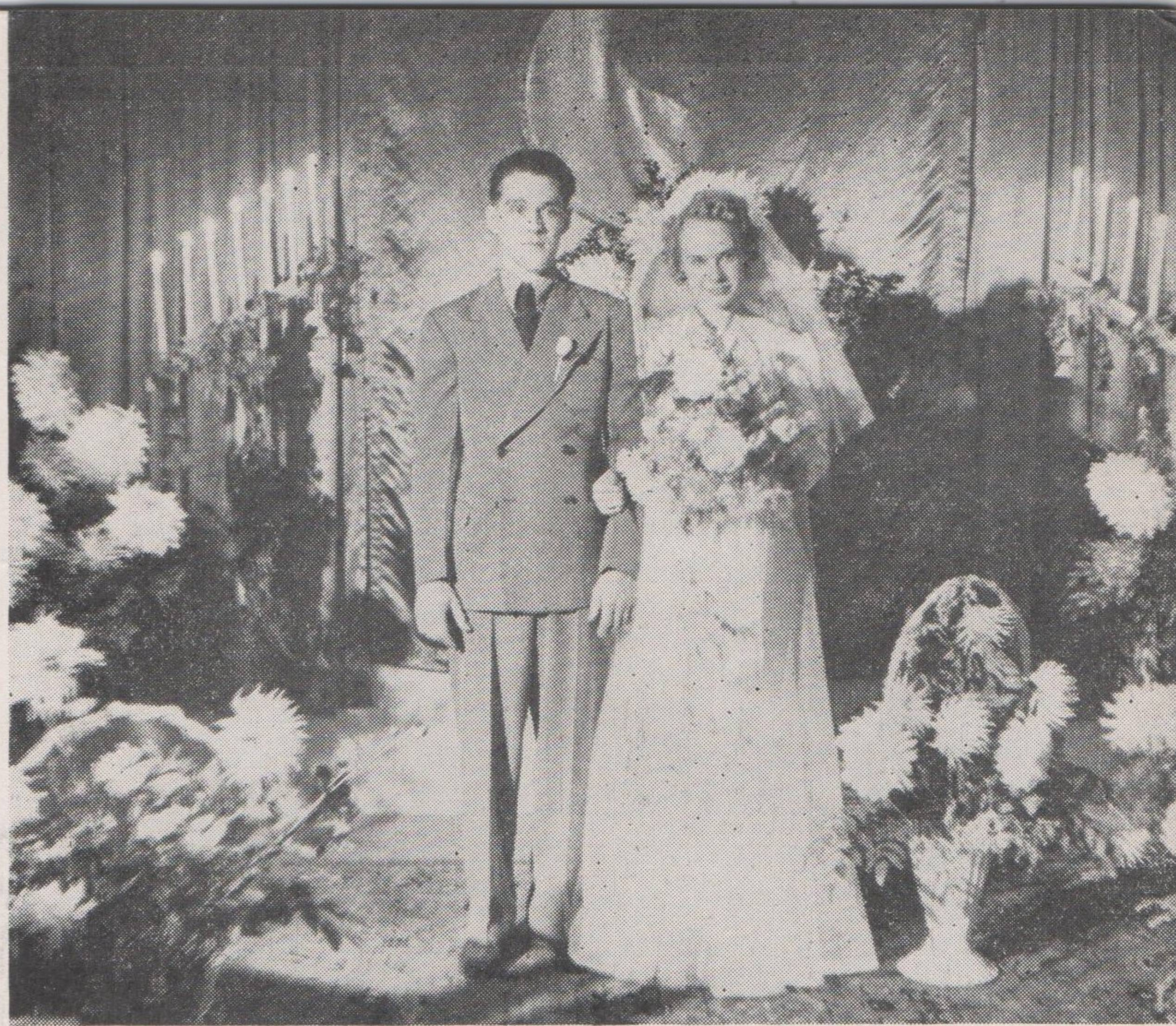
● But Howard Scott, in the past eight years, in the sweep and breadth of his vision, has encompassed our entire continent.

● America today is greatly in need of more BUILDERS OF MORALE like Howard Scott and Henry J. Kaiser.

—R. J. K.



*Yes,  
Technocrats  
ARE  
Human*



Recent wedding at 12247-10, Seattle. These young people became acquainted in the Farad group, Technocracy's youth organization.



Left:

Small fry Technocrats have devised a game called 'Tech-no-man' which is taking the neighborhood by storm. They paint Monads on their chests and perform marvelous feats by the application of science.

Technocracy sections sponsor varied social activities. Below you see members of 12247-3, Seattle enjoying a pot-luck dinner.







**NO, NOT A BEAUTY CONTEST !  
BUT CAN THEY SMILE !**

Just a group of Technocrats in Regulation Dress,- tailored gray gaberdine suits with blue blouses and accessories.

The wearing of Regulation Dress is purely voluntary as is every other activity in the organization.



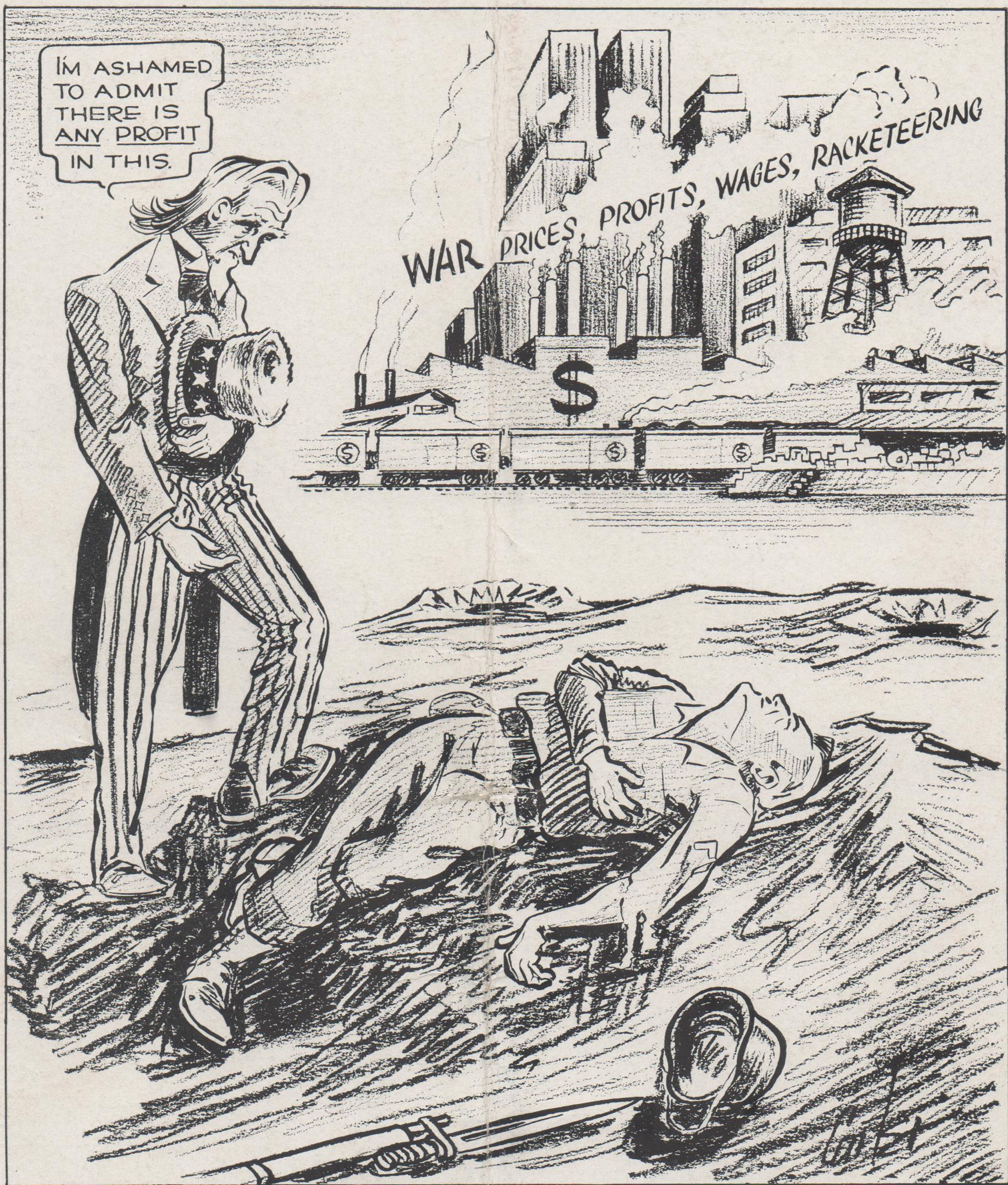
Members feel it an honor to symbolize for Technocracy.

These young ladies devote most of their spare time to typing, bookkeeping, and secretarial work.

Members usually find some activity to which they can adapt their special training or aptitudes.







● America cannot achieve a fighting national morale and internal efficiency while some Americans gain wealth and economic advantage in war prices, war profits, war wages, and war racketeering through the spilling of the blood of other Americans in defense of the country.